

REMARKS

The abstract has been amended to clarify that the LU decomposition is a matrix decomposition, as seen in the attached Exhibit A, a definition printed from the Wikipedia website.

The claims have been amended to overcome the outstanding §112 rejection, without narrowing the scope of the claims. Withdrawal is requested.

Claims 1-8 stand rejected under §101. The claims have been amended to overcome this rejection, and withdrawal is requested for the following reasons. The claims now more clearly recite how the method for utilizing the hardware resource of a computer is configured. The present invention provides a method for efficiently computing an inverse matrix by utilizing the hardware of a shared memory type scalar parallel computer.

The claims now recite details of the way the hardware is utilized and the way the computation is performed, as described above, and clarify that the present invention does not only devise the method of computation, but also aims at the efficient use of the hardware. In addition, the array shown in claims 1 and 5 indicates the use of the memory area. Accordingly, withdrawal of this rejection is respectfully requested.

For the foregoing reasons, applicants believe that this case is in condition for allowance, which is respectfully requested. The examiner should call applicants' attorney if an interview would expedite prosecution.

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Respectfully submitted,

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